

WHAT IS CLAIMED IS:

- 1 1. A stereo picture recognition device which comprises:
 - 2 a time-sharing picture display shutting means disposed between a display
 - 3 surface of a display device and a viewer, the time-sharing picture display shutting
 - 4 means having a function of shutting off only an area covered by a viewing angle
 - 5 which corresponds to a display area of the display device.
- 1 2. The stereo picture recognition device as claimed in claim 1, in which the time-
 - 2 sharing picture display shutting means is so constituted as to operate for a light
 - 3 having a linear polarization.
- 1 3. The stereo picture recognition device as claimed in claim 1, in which the time-
 - 2 sharing picture display shutting means is so constituted as to operate for a light
 - 3 having a circular polarization.
- 1 4. The stereo picture recognition device as claimed in claim 1, in which the
 - 2 display device comprises a spontaneous light display.
- 1 5. The stereo picture recognition device as claimed in claim 4, in which the
 - 2 spontaneous light display is a cathode ray tube.
- 1 6. The stereo picture recognition device as claimed in claim 1, in which the
 - 2 display device comprises an optical modulation display.
- 1 7. The stereo picture recognition device as claimed in claim 1, in which the time-
 - 2 sharing picture display shutting means comprises:
 - 3 a first polarization filter which is so disposed as to oppose the display surface
 - 4 of the display device,
 - 5 a second polarization filter which is so disposed as to oppose a right eye and a
 - 6 left eye of the viewer, and
 - 7 a liquid crystal sealing body.

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1 8. The stereo picture recognition device as claimed in claim 7, in which the
2 second polarization filter and the liquid crystal sealing body are fitted to a head
3 portion of the viewer.

1 9. The stereo picture recognition device as claimed in claim 7, in which the
2 second polarization filter and the liquid crystal sealing body are held by other than
3 being fitted to a head portion of the viewer.

1 10. A stereo picture recognition device which comprises:

2 a liquid crystal shutter portion for transmitting and shutting off a light which is
3 emitted from a picture displayed on a display surface of a display device toward each
4 of a right eye and a left eye of a viewer, the transmission and shutoff of the light
5 being carried out substantially synchronously with a change in the picture displayed
6 and being carried out alternately for the right eye and the left eye, the liquid crystal
7 shutter portion comprising:

8 a first polarization filter which is so disposed as to oppose the display
9 surface of the display device;

10 a pair of second polarization filters, each of which is disposed at a front
11 portion of one of the right eye and the left eye of the viewer; and

12 a liquid crystal sealing body disposed between the first polarization filter
13 and the second polarization filters.

1 11. The stereo picture recognition device as claimed in claim 10, in which the
2 liquid crystal shutter portion further comprises:

3 a pair of 1/4 wavelength plates which comprises:

4 a first 1/4 wavelength plate which is so disposed as to oppose the first
5 polarization filter, and

6 a second 1/4 wavelength plate which is so disposed as to oppose the
7 liquid crystal sealing body.

1 12. The stereo picture recognition device as claimed in claim 10, in which the
2 display device comprises a spontaneous light display.

1 13. The stereo picture recognition device as claimed in claim 12, in which the
2 spontaneous light display is a cathode ray tube.

1 14. The stereo picture recognition device as claimed in claim 10, in which the
2 display device comprises an optical modulation display.

1 15. The stereo picture recognition device as claimed in claim 10, in which the
2 second polarization filter constitutes a part of glasses.

1 16. The stereo picture recognition device as claimed in claim 10, in which the
2 second polarization filter is held by the display device.

1 17. A method of displaying a stereo picture, the method comprising:

2 i) emitting a light from a picture toward each of a right eye and a left eye of
3 a viewer, the picture being displayed on a display surface of a display device;

4 ii) transmitting and shutting off the light toward each of the right eye and
5 the left eye by means of a liquid crystal shutter portion substantially synchronously
6 with a change in the picture displayed, the transmission and shutoff of the light being
7 carried out alternately for the right eye and the left eye, the liquid crystal shutter
8 portion comprising:

9 a first polarization filter which is so disposed as to oppose the
10 display surface of the display device,

11 a pair of second polarization filters, each of which is disposed at a
12 front portion of one of the right eye and the left eye of the viewer, and

13 a liquid crystal sealing body disposed between the first polarization
14 filter and the second polarization filters; and

15 iii) leading the picture to each of the right eye and the left eye, the picture
16 led to the right eye and the picture led to the left eye being different from each other.